

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently Amended) A method of monitoring a passenger conveyor drive assembly having ~~at least one drive member that follows a path around a plurality of wheels~~, comprising the steps of:
providing at least one drive member that follows a path around a plurality of wheels; and
determining whether at least selected ones of the wheels rotate at the same speed.
2. (Previously Presented) The method of claim 1, including activating a brake responsive to determining that the wheels rotate at a different speed.
3. (Previously Presented) The method of claim 1, wherein there are at least two drive members each associated with a deflection wheel and the method includes determining whether the deflection wheels rotate at the same speed.
4. (Previously Presented) The method of claim 1, wherein there are two drive members each associated with a drive wheel and a deflection wheel, the drive wheels synchronously rotating, and the method includes determining whether either deflection wheel rotates at the same speed as the drive wheels.
5. (Previously Presented) The method of claim 1, wherein the member is associated with a drive wheel and a deflection wheel and the method includes determining whether the deflection wheel rotates at the same speed as the drive wheel.
6. (Previously Presented) The method of claim 1, including associating a rotating member with each of the selected wheels such that the rotating members rotate at the same speed as the associated wheels, and determining when at least one of the rotating members moves axially responsive to relative rotation between the selected wheels.

7. (Previously Presented) A passenger conveyor drive assembly, comprising:
 - a plurality of drive wheels;
 - a corresponding plurality of deflection wheels;
 - a drive member associated with each drive wheel, each drive member following a path around the associated drive wheel and at least one corresponding deflection wheel; and
 - a monitor device associated with selected ones of the wheels that provides an indication of relative rotation between the selected wheels.
8. (Previously Presented) The assembly of claim 7, wherein the monitor device includes a first rotating member coupled to rotate with a first one of the selected wheels and a second rotating member coupled to rotate with a second one of the selected wheels, the first and second rotating members moving relative to each other responsive to relative rotation between the selected wheels.
9. (Previously Presented) The assembly of claim 8, wherein the first and second rotating members comprise bushings having engaging faces that cooperate to cause axial movement of at least one of the bushings responsive to relative rotation between the bushings.
10. (Previously Presented) The assembly of claim 9, wherein the engaging faces comprise surfaces aligned at least partially at an oblique angle relative to an axis about which the bushings rotate.
11. (Previously Presented) The assembly of claim 8, wherein one of the rotating members is axially fixed and the other rotating member is biased into a first axial position and wherein relative rotation between the rotating members causes the other rotating member to move axially against the bias.
12. (Previously Presented) The assembly of claim 11, including a spring that biases the other rotating member into the first axial position.

13. (Previously Presented) The assembly of claim 8, including a brake actuator associated with at least one of the rotating members, the actuator being operative responsive to axial movement of at least one of the rotating members.

14. (Previously Presented) The assembly of claim 13, wherein the brake actuator includes a follower that follows axial movement of the at least one rotating member and wherein movement of the follower triggers the brake actuator.

15. (Previously Presented) The assembly of claim 8, wherein the selected wheels are two deflection wheels and wherein one of the selected deflection wheels rotates with the first rotating member and the second rotating member rotates with the other selected deflection wheel.

16. (Previously Presented) The assembly of claim 8, wherein the selected wheels are a drive wheel and a deflection wheel and wherein the first rotating member rotates at the same speed as the drive wheel and the second rotating member rotates at the same speed as the selected deflection wheel.

17. (Previously Presented) The assembly of claim 16, including two selected deflection wheels that each have an associated second rotating member.

18. (Previously Presented) The assembly of claim 7, wherein the selected wheels are deflection wheels each associated with a separate drive member.

19. (Previously Presented) The assembly of claim 7, wherein the selected wheels are a drive wheel and a deflection wheel.

20. (Previously Presented) A device for monitoring relative rotations between wheels in a passenger conveyor drive assembly, comprising:

a first rotating member for rotating at the same speed as a first selected wheel;

a second rotating member for rotating at the same speed as a second selected wheel, the first and second rotating members changing position relative to each other responsive to relative rotation between the wheels.

21. (Previously Presented) The assembly of claim 20, wherein the first and second rotating members comprise bushings having engaging faces that cooperate to cause axial movement of at least one of the bushings responsive to relative rotation between the bushings.

22. (Previously Presented) The assembly of claim 21, wherein the engaging faces comprise surfaces aligned at least partially at an oblique angle relative to an axis about which the bushings rotate.

23. (Previously Presented) The assembly of claim 20, wherein one of the rotating members is axially fixed and the other rotating member is biased into a first axial position and wherein relative rotation between the rotating members causes the other rotating member to move axially against the bias.

24. (Previously Presented) The passenger conveyor drive assembly of claim 7, comprising a step chain associated with a plurality of steps; and wherein the drive member comprises a belt between each drive wheel and the step chain.

25. (Previously Presented) The method of claim 1, comprising providing an indication of a condition of the at least one drive member responsive to the determining.

26. (Previously Presented) The method of claim 1, comprising positioning a monitor device between the selected wheels and using the monitor device for the determining.
27. (New) The method of claim 1, wherein the drive member wraps at least partially around the selected wheels.